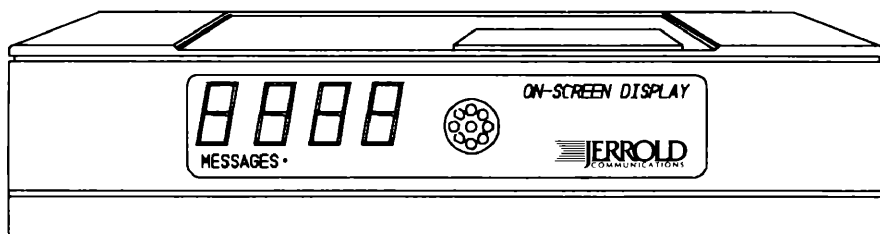
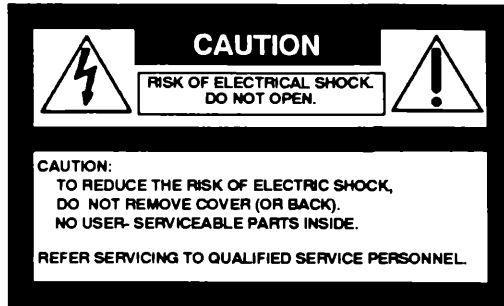

CUSTOMER HANDBOOK

Jerrold

Model CFT-2000
Addressable Converter
with
On-Screen Display





Graphical symbols and supplemental warning marking locations on bottom of converter.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

TO PREVENT ELECTRICAL SHOCK, DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE, OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point, within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

This installation should be made by a qualified service person and should conform to all local codes.

REPAIRS:

If you find the unit in need of repair, contact your cable system operator for repair or replacement.

NOTE TO CATV SYSTEM INSTALLER:

This reminder is provided to call CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close as possible to the point of cable entry as practical.

IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS

- 1. READ INSTRUCTIONS** -- All the safety and operating instructions should be read before the appliance is operated.
- 2. RETAIN INSTRUCTIONS** -- The safety and operating instructions should be retained for future reference.
- 3. HEED WARNINGS** -- All warnings on the appliance and in the operating instructions should be adhered to.
- 4. FOLLOW INSTRUCTIONS** -- All operating and use instructions should be followed.
- 5. CLEANING** -- Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 6. ATTACHMENTS** -- Do not use attachments not recommended as they may cause hazard.
- 7. WATER AND MOISTURE** -- Do not use this equipment near water -- for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
- 8. ACCESSORIES** -- Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall causing serious injury and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with equipment. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
- 9. VENTILATION** -- Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the equipment and to protect it from overheating. The openings should never be blocked by placing the video product on a bed, sofa, rug, or similar surface. Equipment should never be placed near or over a radiator or heat register, or in a built-in installation such as a bookcase or rack unless proper ventilation is provided.
- 10. POWER SOURCES** -- This video product should be operated only from the type of power sources indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your local power company. For equipment intended to operate from battery power, or other sources, refer to the operating instructions.
- 11. GROUND OR POLARIZATION** -- This equipment may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

ALTERNATE WARNINGS -- This equipment may be equipped with a 3-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.

12. POWER-CORD PROTECTION -- Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

13. OUTDOOR ANTENNA GROUNDING -- If an outside antenna or cable system is connected to the equipment, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to proper grounding of the lead in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements to the grounding electrodes. See Figure 1.

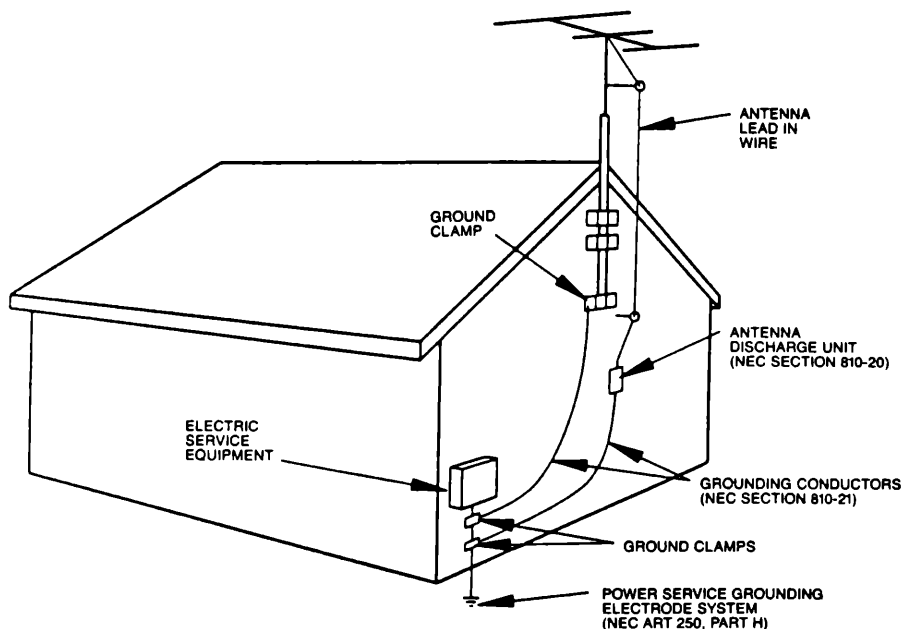


Figure 1

14. LIGHTNING -- For added protection for this equipment during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power-line surges.

15. POWER LINES -- An outside antenna system should not be located in the vicinity of overhead power lines or where it can fall into such power lines or

circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them may be fatal.

16. OVERLOADING -- Do not overload wall outlets and extension cords as this can result in a risk of fire or electrical shock.

17. OBJECT AND LIQUID ENTRY -- Never push objects of any kind into this equipment through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electrical shock. Never spill liquid of any kind on the video product.

18. SERVICING -- Do not attempt to service this equipment yourself as opening or removing covers may expose you to dangerous voltage or other hazards, refer all servicing to qualified service personnel.

19. DAMAGE REQUIRING SERVICE -- Unplug this equipment from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- a. When the power-supply cord or plug is damaged.
- b. If liquid has been spilled, or objects have fallen into the equipment.
- c. If the equipment has been exposed to rain or water.
- d. If the equipment does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the equipment to its normal operation.
- e. If the equipment has been dropped or the cabinet has been damaged.
- f. When the equipment exhibits a distinct change in performance, indicating a need for service.

20. REPLACEMENT PARTS -- When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

21. SAFETY CHECK -- Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the video product is in proper operational condition.

22. TELEPHONE EQUIPMENT -- Observe the following precautions when installing telephone modem equipment.

1. Never install telephone wiring during a lightning storm.
2. Never install telephone jacks in a wet location unless the jack is specifically designed for wet locations.
3. Never touch uninsulated telephone wires or terminals unless the telephone lines have been disconnected at the network interface.
4. Use caution when installing or modifying telephone lines.

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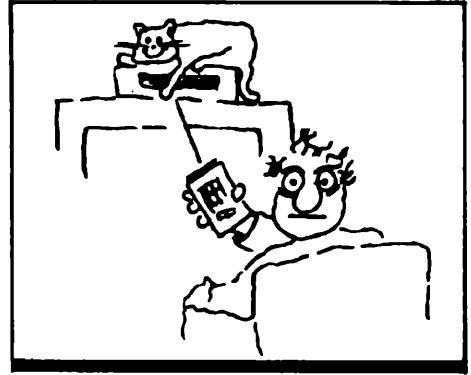
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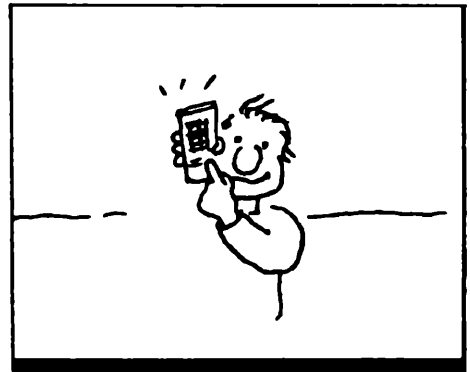
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OPERATING SUGGESTIONS

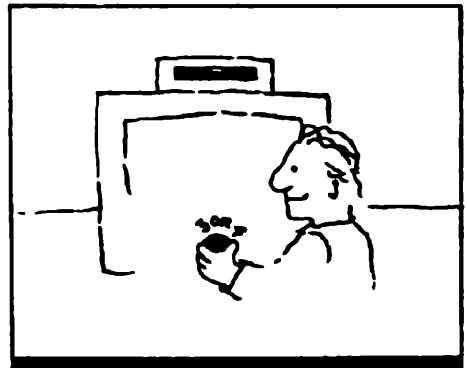
1. Aim the remote control directly at the converter. Be sure there are no obstructions between the remote control and the converter.



2. Press and release buttons one at a time, firmly and deliberately.



3. Be sure the TV set is tuned to the converter output channel (CH 3 or 4). Your cable installer will tell you which channel to tune.



INTRODUCING YOUR CFT-2000 CONVERTER

Your cable operator has provided you with the CFT-2000 converter to enhance your television viewing pleasure. The CFT-2000 features on-screen display (OSD) programming capability.

Some of the many features the converter provides are

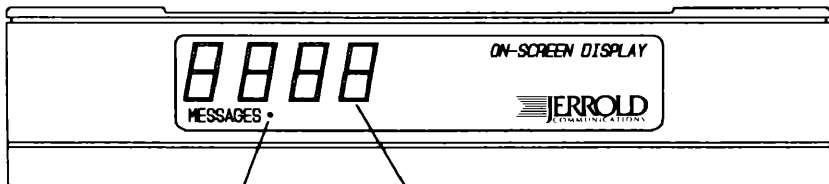
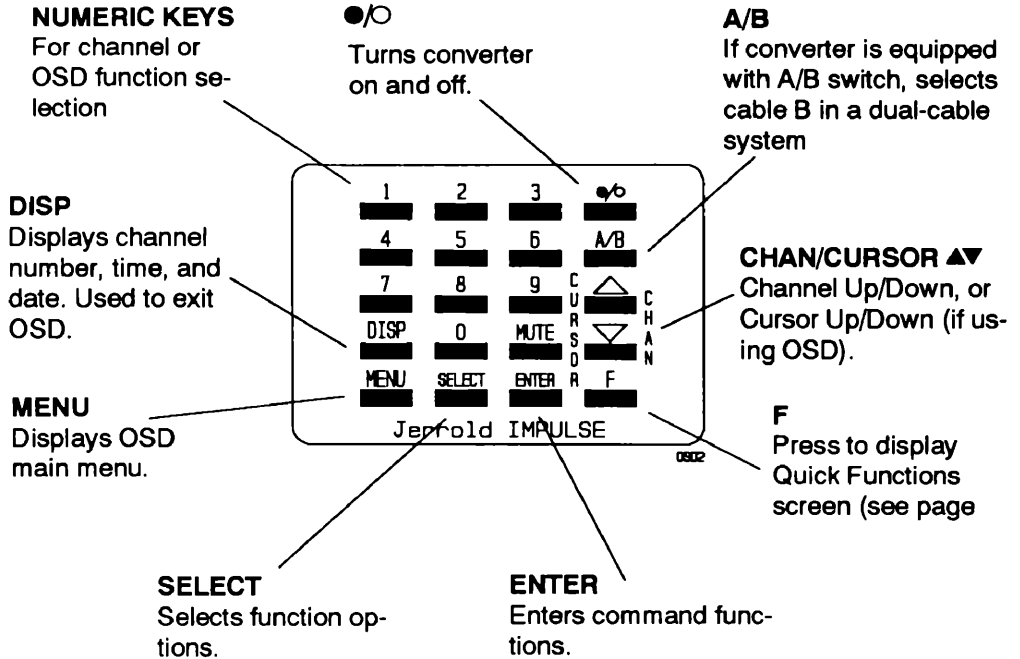
- ☐ Remote control.
- ☐ Volume control.
- ☐ Parental control that restricts access to channels that you select.
- ☐ Favorite channel recall that allows you to quickly program and tune to your most frequently viewed channels.
- ☐ Last channel recall that tunes to the last channel viewed.
- ☐ A sleep timer that you program to turn the converter off after a period of time.
- ☐ An alarm timer that can be programmed to turn the converter on and off at the same time each day.

The keypad located on top of the converter corresponds to the keypad found on the remote control unit, giving you the option of direct or remote command entry.

Multi-color menu screens present easy-to-follow instructions which will guide you through the many features of the CFT-2000. The OSD function also allows you to adjust the position of the menus on your television screen and to choose between clear and solid menu backgrounds. In addition, your OSD enables your cable operator to send you messages telling you of pay-per-view events or of other services of interest to you.

Be sure to read this customer handbook so that you can fully enjoy all the features of your CFT-2000 converter.

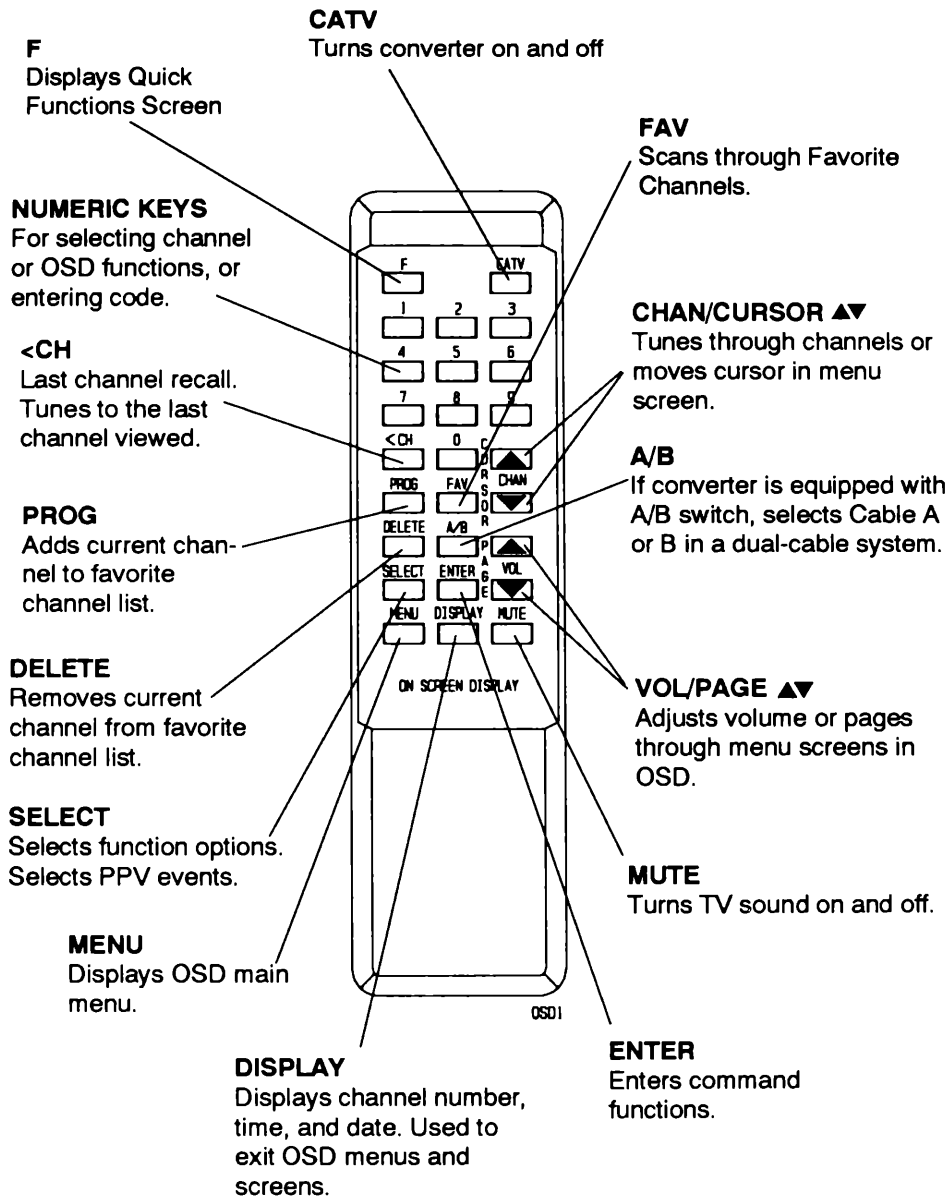
CONVERTER CONTROLS



MESSAGE INDICATOR
Lights when you have received a message from your cable operator.

CHANNEL INDICATOR & TIME DISPLAY
Shows cable channel selected and displays current time. DO NOT block or place objects in front of this area.


REMOTE CONTROLS



BASIC CONVERTER FUNCTIONS

The On-Screen Display (OSD) feature of your converter gives easy access to the full range of converter functions. However, there are basic functions which you can access simply by pressing keys on the set-top keypad or on the remote control.

TURNING THE CONVERTER ON AND OFF



Press the ON/OFF key (marked ) on the set-top keypad and CATV on the remote control.

THE A/B SWITCH

If you are part of a dual cable system, you can use the A/B key to switch between cables.

CHANNEL SELECTION

To select a viewing channel, press the corresponding numeric keys. For example press 1 then 0 for channel 10; press 6 for channel 6. Pressing a single digit and waiting three seconds will tune to that single-digit channel. You can use either the set-top key pad or the remote control. The numbers you press will appear on the upper right corner of your screen.

You can also step through the channels one at a time by using the CHAN   keys.

VOLUME CONTROL

When you press the VOL keys on the remote control, the converter will display the VOLUME bar on your screen. The bar will move as you press the VOL keys to visually represent changes in volume level. The small triangle under the volume bar indicates the volume setting for best stereo sound (unity gain). When unity gain is reached, the words BEST STEREO appear at the left of the triangle.

You can turn the TV sound on and off by pressing the MUTE key on either the set-top keypad or on the remote control. When sound is muted the word MUTE will appear at the upper left corner of your screen, and will disappear once the MUTE key is pressed to restore sound.

BASIC CONVERTER FUNCTIONS

PROGRAMMING FAVORITE CHANNELS

By programming the channels you enjoy viewing most (favorite channels) into your converter you can tune through them simply by pressing the FAV key on the remote control.

To program a favorite channel simply tune to a channel and press the PROG key on the remote control. The symbol FAV will appear on your TV screen.

To remove a favorite channel, tune to the channel and press the DELETE key. To remove all favorite channels, press the F key, then the DELETE key.

LAST CHANNEL RECALL

The last channel recall feature of your converter allows you to tune to the last channel viewed by pressing the <CH key.

GETTING STARTED WITH ON-SCREEN DISPLAY

Here are some general guidelines for using the on-screen display (OSD) feature. The following page shows the OSD menu scheme.

To bring the Main Menu to the screen, press the MENU key. This will bring the first page of the Main Menu to the screen. The Main Menu consists of three pages that list the seven main OSD functions:

- ☐ Channel Selection
- ☐ Parental Control
- ☐ Favorite Channel
- ☐ VCR Timers
- ☐ Alarm Timers
- ☐ Display Messages
- ☐ Control Panel.

To choose a function listed on the Main Menu, either press the CURSOR keys until your choice is highlighted and then press the ENTER key, or just press the number of the desired choice. The PAGE keys will move you to the next or previous screen. Pressing the MENU key will also step you through the Main Menu pages.

The straight-forward screens and their use of color make the CFT-2000 easy to use. Each screen is composed of four parts:

| <u>Part</u> | <u>Location On Screen</u> | <u>Color</u> |
|---------------------|---------------------------|--------------|
| title | top | blue |
| choices or password | middle | yellow |
| instructions | bottom | blue |
| keys to use | bottom | white |

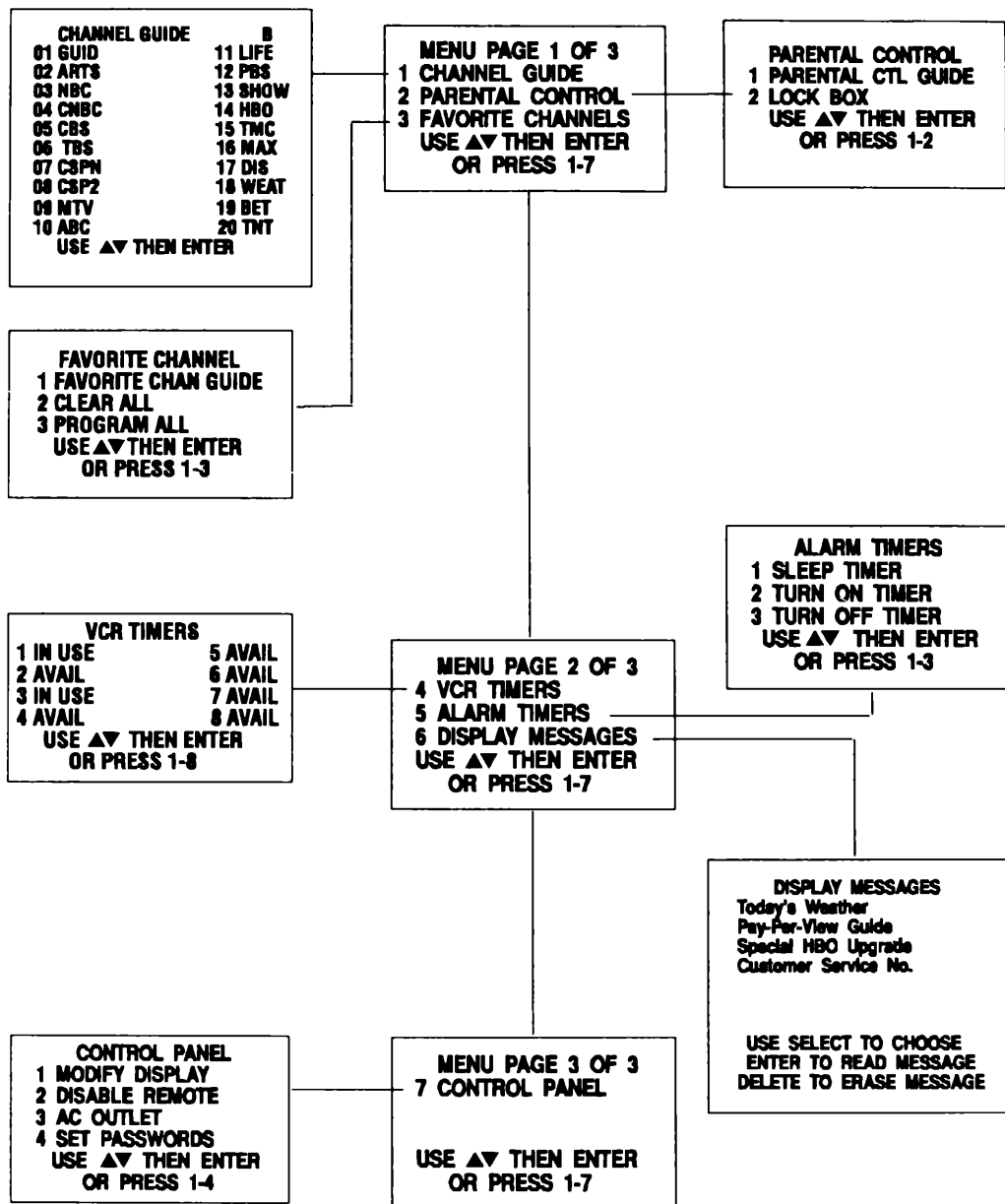
All menu screens will eventually disappear if no keys are pressed for approximately 15 seconds. If you have not finished a programming procedure when this happens you will have to start the procedure from the beginning.

The MENU key will bring you to the previous menu if it is pressed while in an OSD screen.

If you press a key that has no function in the current menu, a HELP screen will appear to remind you of the proper keys to use.

TO EXIT OSD AT ANY TIME, PRESS THE DISPLAY KEY.

THE ON-SCREEN DISPLAY MENU OVERVIEW

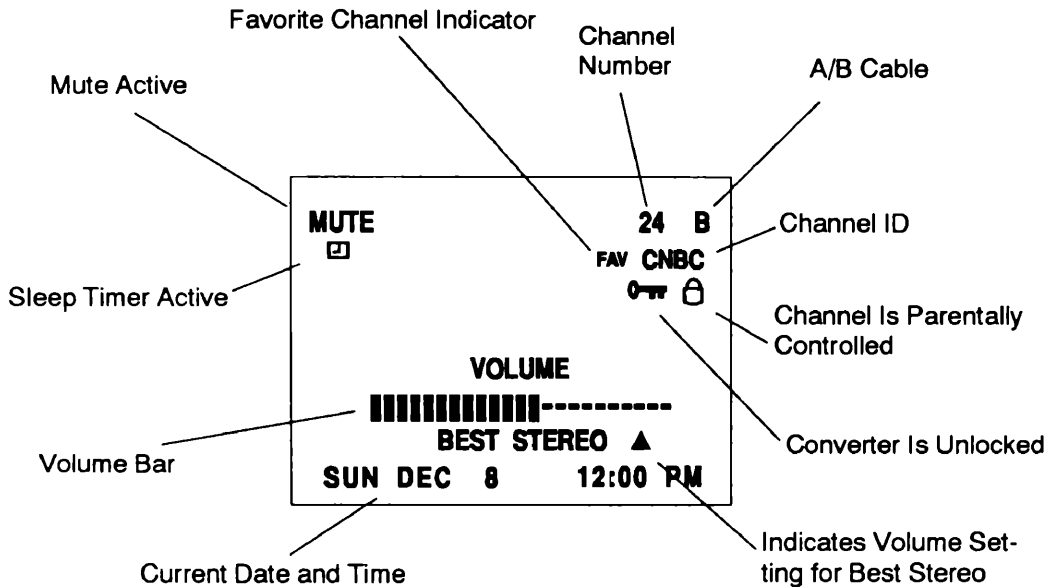


Remember –

1. To enter OSD press MENU.
2. To make a menu choice press the corresponding number or use the CURSOR keys to highlight the choice then press ENTER.
3. To move between menu pages press the CURSOR, PAGE or MENU key.
4. TO LEAVE OSD AT ANY TIME, PRESS DISPLAY.

THE CHANNEL ID/STATUS SCREEN

When you press the DISPLAY (DISP) key or change the channel, your screen will briefly flash the channel number, the channel identification initials (channel ID), and the current date and time. This screen will also display symbols that indicate whether certain subscriber features (for example, parental control, favorite channel, sleep timer) have been activated.



In some instances pressing the DISPLAY (DISP) key will bring a message to the TV screen. After reading the message, press the DISPLAY (DISP) key again to view the status information outlined above.

THE QUICK FUNCTIONS SCREEN

The Quick Functions Screen appears whenever the F key is pressed. This screen lists four functions that can be quickly carried out by pressing the F key immediately followed by either MUTE, DELETE, SELECT, or ON/OFF.

| QUICK FUNCTIONS | |
|-----------------|--------------------|
| MUTE | BEST STEREO |
| DELETE | CLEAR FAV CHANNELS |
| SELECT | CANCEL PURCH |
| ON/OFF | SLEEP TIMER |

These key combinations produce the following results:

- **F + MUTE** – sets BEST STEREO volume level (unity gain).
- **F + DELETE** – clears all programmed Favorite Channels.
- **F + SELECT** – cancels a purchased event. (Please call your cable company for instructions on how to cancel a purchase Pay-Per-View event.)
- **F + ON/OFF** – brings up the Sleep Timer screen.

PASSWORDS

USE OF PASSWORDS

The use of passwords is entirely optional. If you do not need to make use of the parental control feature of your converter you do not need to create a parental control password.

If you do not wish to control access to pay-per-view then you do not need a purchase password. **You do not need to create a purchase password to make Pay-Per-View purchases.**

The passwords you create cannot be more than four digits long.

IF YOU FORGET YOUR PASSWORD

If you forget your password, please call your cable company. The cable company can erase the password from the converter's memory so that you can program a new one.

ON SCREEN DISPLAY FUNCTIONS

The information on the following pages will tell you how to use the OSD features of your converter. These pages show you the displays you will see on your TV screen and will list the keys you will need to press. If you press a key that has no function in the menu you are in, a help screen will appear to assist you.

By using the keys as indicated on the various menu screens you will operate the converter with ease.

Remember –

- **To display the OSD Main Menu** press the MENU key
- **To select an option** press the option number or use the CURSOR keys to highlight the option, then press ENTER.
- **To exit OSD at any time** press the DISPLAY key.

CHANNEL SELECTION

The channel guide lists all of the channels and services, and their channel identification initials, available on the cable system. You can refer to this guide if you wish to find out on which converter channel a particular program or service is broadcast. The channel guide also makes it easier to keep track of channels should your cable operator decide to change or move some of the channels in your system.

You can select a viewing channel by pressing the appropriate numeric keys as described on page 5. If you wish to use OSD display for this function follow the sequence below. When you enter the Channel Guide screen the channel currently being viewed will be highlighted.

1. Enter OSD by pressing MENU.

2. Press key 1, or use CURSOR keys to highlight choice then press ENTER.

| MENU PAGE 1 OF 3 | |
|--------------------------------|-------------------|
| 1 | CHANNEL GUIDE |
| 2 | PARENTAL CONTROL |
| 3 | FAVORITE CHANNELS |
| USE ▲▼ THEN ENTER OR PRESS 1-7 | |

3. Use the CURSOR keys to highlight your choice (for example, channel 2) then press ENTER.

| CHANNEL GUIDE | | B |
|-------------------|------|---------|
| 01 | GUID | 11 LIFE |
| 02 | ARTS | 12 PBS |
| 03 | NBC | 13 SHOW |
| 04 | CNBC | 14 HBO |
| 05 | CBS | 15 TMC |
| 06 | TBS | 16 MAX |
| 07 | CSPN | 17 DIS |
| 08 | CSP2 | 18 WEAT |
| 09 | MTV | 19 BET |
| 10 | ABC | 20 TNT |
| USE ▲▼ THEN ENTER | | |

PARENTAL CONTROL

INTRODUCTION

The parental control feature permits you to control viewing access to channels that you select. When parental control is activated (or when the converter box is locked), the converter will not tune to channels that you have "locked out". If you wish to view these channels you must use the parental control password that you have programmed into the converter to deactivate the parental control feature (unlock the converter box).

To summarize the parental control feature: first, you unlock the box using your parental control password (page 14); then, you select the channels that you want locked out (page 15); then you lock the box (page 16). If the box is unlocked and the channel that is tuned is a parentally-controlled channel, you will see a lock symbol as well as a key symbol in the upper right corner of the TV screen when you press the DISPLAY key or when you change channels. The key symbol indicates that the box is unlocked.

The parental control feature is activated whenever you turn off the converter. Your new converter does not have a parental control password programmed in it. A parental control password is necessary to use the parental control feature. Should you decide to use parental control, you must create a parental control password (see Page 17).

You can change your password as often as you wish (see Page 18). Should you forget your parental control password, call your cable operator for assistance (see Page 11).

PARENTAL CONTROL

DEACTIVATING PARENTAL CONTROL

Parental control permits you to control viewing access to channels selected by you. The parental control code created by you must be entered in order to view the controlled channels. When the converter is turned on, parental control is automatically activated. You must deactivate parental control before you can select or change channels to be controlled, and before you can create or change your control code.

1. Enter OSD by pressing MENU.

2. Press key 2, or use CURSOR keys to highlight choice then press ENTER.

MENU PAGE 1 OF 3
1 CHANNEL GUIDE
2 PARENTAL CONTROL
3 FAVORITE CHANNELS
USE ▲▼ THEN ENTER
OR PRESS 1-7

4. Use the numeric keys for entering your control password and press the ENTER key.

UNLOCK BOX
WITH YOUR
PARENTAL CONTROL
PASSWORD
USE 0-9 THEN ENTER

3. Press key 1 to view the Parental Control Guide, key 2 to lock box, or the DISPLAY key to exit.

PARENTAL CONTROL
1 PARENTAL CTL GUIDE
2 LOCK BOX
USE ▲▼ THEN ENTER
OR PRESS 1-2

If you enter your password incorrectly, help screens will prompt you to try again. After three unsuccessful attempts you will need to wait 15 minutes before you can try again. If you have forgotten your password, call your cable company for assistance.

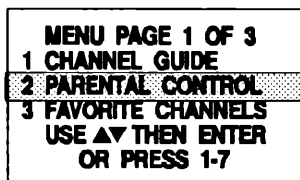
Your cable company can erase the forgotten password from the converter's memory. You would then need to create a new password if you want one (see Page 18).

PARENTAL CONTROL

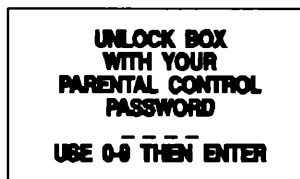
SELECTING CHANNELS FOR CONTROL

Complete the following steps to select the channels that you wish to control. When parental control is activated, these channels cannot be viewed without entry of your password.

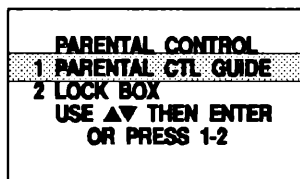
1. Enter OSD by pressing MENU.
2. Press key 2, or use the CURSOR keys to highlight item 2 then press ENTER.



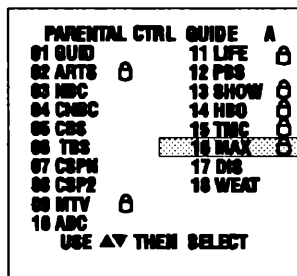
3. Use the numeric keys for entering your control password and press the ENTER key.



4. Press key 1 or use CURSOR keys to highlight item 1, then press ENTER.



5. Use CURSOR keys to highlight channel (for example, channel 16) and press SELECT



A lock symbol will appear next to the channels that you select to be parentally controlled. To remove parental control from a channel, highlight the channel and press the SELECT key; the lock symbol will disappear.

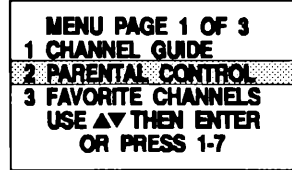
To exit the Parental Control Guide, press DISPLAY or ENTER. Pressing ENTER will exit the guide and tune the channel the cursor is on.

PARENTAL CONTROL

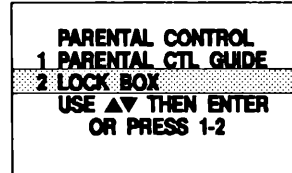
ACTIVATING CONTROL

Parental control can be activated by turning the converter off, or by following the instructions below. When this feature is activated, the parentally controlled channels cannot be viewed until parental control is turned off.

1. Enter OSD by pressing MENU.
2. Press key 2, or use the CURSOR keys to highlight item 2 then press ENTER.



3. Press key 2 or use CURSOR keys to highlight item 2, then press ENTER.



PARENTAL CONTROL

PROGRAMMING YOUR PARENTAL CONTROL PASSWORD

Your CFT-2000 converter is not pre-programmed with a parental control password. In order to take advantage of the parental control feature you will need to create a control password and program it into the converter. The password will permit you to control access to the channels you select. You can change your code anytime you wish.

1. Enter OSD by pressing MENU.
2. Press key 7, or use the CURSOR keys to highlight item 7 then press ENTER.

MENU PAGE 3 OF 3
7 CONTROL PANEL

USE ▲▼ THEN ENTER
OR PRESS 1-7

3. Press key 4 or use CURSOR keys to highlight item 4, then press ENTER.

CONTROL PANEL
1 MODIFY DISPLAY
2 DISABLE REMOTE
3 AC OUTLET
4 SET PASSWORDS
USE ▲▼ THEN ENTER
OR PRESS 1-4

4. Press key 1 or use CURSOR keys to highlight item 1, then press ENTER.

SET PASSWORDS
1 PARENTAL CONTROL
2 PAY-PER-VIEW
USE ▲▼ THEN ENTER
OR PRESS 1-2

5. Use the numeric keys for entering your password and press the ENTER key. Your password cannot be more than four digits long.

PLEASE ENTER A NEW
PARENTAL CONTROL
PASSWORD
—
USE 0-9 THEN ENTER

6. Use the numeric keys to enter your new password again and press the ENTER key.

PLEASE ENTER AGAIN
FOR VERIFICATION
—
USE 0-9 THEN ENTER

If the verification password and the new password do not match, the converter will have you repeat steps 5 and 6.

PARENTAL CONTROL

CHANGING YOUR PARENTAL CONTROL PASSWORD

The converter allows you to maintain Parental Control security by permitting you to change your password as often as you wish. You must know your current password in order to change it.

If you have forgotten your password, call your cable operator for assistance.

1. Enter OSD by pressing MENU.
2. Press key 7, or use the CURSOR keys to highlight item 7 then press ENTER.

MENU PAGE 3 OF 3
7 CONTROL PANEL

USE ▲▼ THEN ENTER
OR PRESS 1-7

3. Press key 4 or use CURSOR keys to highlight item 4, then press ENTER.

CONTROL PANEL
1 MODIFY DISPLAY
2 DISABLE REMOTE
3 AC OUTLET
4 SET PASSWORDS
USE ▲▼ THEN ENTER
OR PRESS 1-4

4. Press key 1 or use CURSOR keys to highlight item 1, then press ENTER.

SET PASSWORDS
1 PARENTAL CONTROL
2 PAY-PER-VIEW
USE ▲▼ THEN ENTER
OR PRESS 1-2

5. Use the numeric keys to enter your current password and press the ENTER key. Your password cannot be more than four digits long.

UNLOCK BOX
WITH YOUR
PARENTAL CONTROL
PASSWORD
USE 0-9 THEN ENTER

6. Use the numeric keys to enter your new password and press the ENTER key.

PLEASE ENTER A NEW
PARENTAL CONTROL
PASSWORD
—
USE 0-9 THEN ENTER

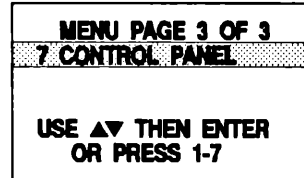
If you enter your password incorrectly, you will be prompted to try again; after three unsuccessful attempts you will need to wait 15 minutes before you can try again. A verification screen will ask you to enter again the new password you have programmed. Follow the instructions on the screen. If the verification password and the new password do not match you will need to re-enter and verify the new password.

PARENTAL CONTROL

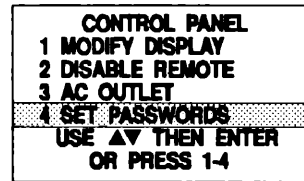
ERASING YOUR PARENTAL CONTROL PASSWORD

If you decide that you no longer want to use a parental control password after you have programmed one, you can erase it.

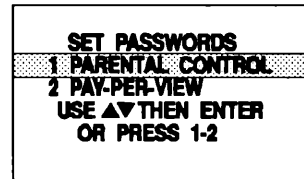
1. Enter OSD by pressing MENU.
2. Press key 7, or use the CURSOR keys to highlight item 7 then press ENTER.



3. Press key 4 or use CURSOR keys to highlight item 4, then press ENTER.



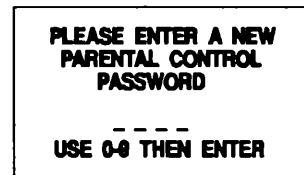
4. Press key 1 or use CURSOR keys to highlight item 1, then press ENTER.



5. Use the numeric keys for entering your current password and press the ENTER key.



6. Press the ENTER key twice.



FAVORITE CHANNEL SELECTION

By programming the channels you enjoy viewing most (favorite channels) into your converter you can quickly tune through them simply by pressing the FAV key on the remote control.

1. Enter OSD by pressing MENU.
2. Press key 3, or use CURSOR keys to highlight item 3, then press ENTER.

MENU PAGE 1 OF 3
1 CHANNEL GUIDE
2 PARENTAL CONTROL
3 FAVORITE CHANNELS
USE ▲▼ THEN ENTER
OR PRESS 1-7

3. Press key 1, or use CURSOR keys to highlight item 1, then press ENTER.

FAVORITE CHANNEL
1 FAVORITE CHAN GUIDE
2 CLEAR ALL
3 PROGRAM ALL
USE ▲▼ THEN ENTER
OR PRESS 1-3

4. Use the CURSOR keys to highlight your choice (for example, channel 2) then press SELECT.

FAVORITE CHAN GUIDE **B**

| | |
|-------------|-------------|
| 01 GUID | 10 LIFE |
| 02 ARTS FAV | 12 PBS FAV |
| 03 NBC FAV | 13 SHOW FAV |
| 04 CNBC | 14 HBO FAV |
| 05 CBS FAV | 15 TNC FAV |
| 06 TBS FAV | 16 MAX FAV |
| 07 CSPN | 17 DIS FAV |
| 08 CSP2 | 18 WEAT FAV |
| 09 NTV FAV | 19 BET |
| 10 ABC FAV | 20 TNT |

USE ▲▼ THEN ENTER

The word FAV will appear next to the channel. Follow the same steps for removing the favorite channel designation; in this case the word FAV disappears.

You can also quickly add and remove favorite channels without using OSD. Simply tune to the channel you wish to add or remove as a favorite and press the PROG key to add or the DELETE key to remove. To clear all favorite channels, press the F key and then the DELETE key.

TO EXIT THE FAVORITE CHANNEL GUIDE SCREEN, PRESS DISPLAY.

VCR TIMERS

INTRODUCTION

The VCR Timer function allows you to program your converter for unattended VCR recording. When you program a VCR timer, you are instructing your converter to turn on and tune to a specific channel at a specific time on a specific date. You must also remember to program your VCR if you wish to record the TV program.

Once the converter has been programmed it need not be turned on in order to record. However, the converter must be plugged into a live electrical outlet (do not plug into an outlet controlled by a wall switch).

You can program up to eight events over a one year period. Each timer allows you to program events one time, daily, the same day each week, weekdays only, or weekends only. At the end of the programming sequence, you will see a VCR timer confirmation screen which allows you to review the programming choices you have made and to make changes as necessary.

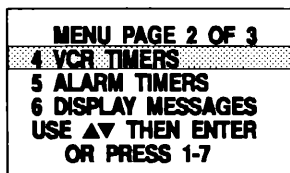
VCR TIMERS

PROGRAMMING A VCR TIMER

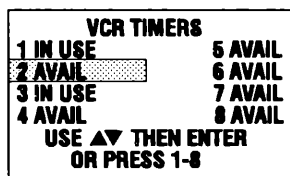
The following example shows how to program a timer for a one-time event. In this example the converter will be programmed for:

VCR Timer: 2
Frequency one time
Date: 28th
Start Time: 12:30 PM
End Time: 1:30 PM
Channel: 14

1. Enter OSD by pressing MENU.
2. Press key 4, or use the CURSOR keys to highlight item 4 then press ENTER.

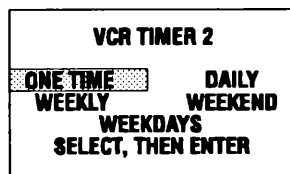


3. Press key 2 or use CURSOR keys to highlight item 2, then press ENTER.



For this example Timers 1 and 3 are already programmed (marked IN USE). The other five are available for use. Our example uses Timer 2.

4. Use the SELECT key to highlight ONE-TIME, then press ENTER.



VCR TIMERS

PROGRAMMING A VCR TIMER (continued)

5. Use CURSOR keys to set date, then press ENTER.

VCR TIMER 2
START DATE DEC 28 SAT
USE ▲▼ THEN ENTER

6. Use CURSOR keys to set start time, then press ENTER.

VCR TIMER 2
START TIME 12:30 PM
USE ▲▼ THEN ENTER

7. Use CURSOR keys to set end time, then press ENTER.

VCR TIMER 2
END TIME 1:30 PM
USE ▲▼ THEN ENTER

8. Use CURSOR keys to set channel, then press ENTER.

VCR TIMER 2
CHANNEL 14 A HBO
USE ▲▼ THEN ENTER

9. If the timer is programmed correctly press ENTER. If changes are necessary press PROG; you will then be led through reprogramming the timer. If you wish to clear the timer press DELETE.

VCR TIMER 1
WEEKLY
START DATE JAN 4 SAT
START TIME 12:00 MID
END TIME 1:00 AM
CHANNEL 15 A TMC
USE ENTER TO CONFIRM
PROG TO CHANGE
DELETE TO CLEAR

If you press any keys except, SELECT, or ENTER while programming the VCR timers, help screens will appear to assist you.

If the channel is a parentally controlled one, a screen will appear asking you to enter your parental control password.

If you have been authorized to purchase pay-per-view services, a screen will appear asking if the channel is a pay-per-view service (page 33).

VCR TIMERS

CHANGING AN ACTIVE TIMER

Once you have programmed a timer you can review, change, or clear all the information that you have programmed.

1. Enter OSD by pressing MENU.
2. Press key 4, or use the CURSOR keys to highlight item 4 then press ENTER.

```

MENU PAGE 2 OF 3
4 VCR TIMERS
5 ALARM TIMERS
6 DISPLAY MESSAGES
USE ▲▼ THEN ENTER
OR PRESS 1-7

```

3. Press key 1 or use CURSOR keys to highlight item 1, then press ENTER.

```

VCR TIMERS
1 IN USE
2 AVAIL
3 IN USE
4 AVAIL
5 AVAIL
6 AVAIL
7 AVAIL
8 AVAIL
USE ▲▼ THEN ENTER
OR PRESS 1-8

```

The following screen will appear. If the timer is set as you wish, press ENTER. If you want to clear the timer press DELETE. If you want to change any information programmed in the timer press PROG; OSD will lead you through reprogramming the timer.

```

VCR TIMER 1
WEEKLY
START DATE JAN 4 SAT
START TIME 12:00 MID
END TIME 1:00 AM
CHANNEL 15 A TMC
USE ENTER TO CONFIRM
PROG TO CHANGE
DELETE TO CLEAR

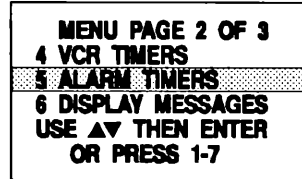
```

ALARM TIMERS

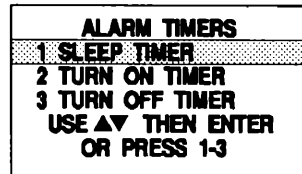
SLEEP TIMER

The sleep timer function allows you to program the converter to turn off after 30 minutes, 1 hour, 2 hours, or 3 hours. For example, to set the sleep timer for 30 minutes:

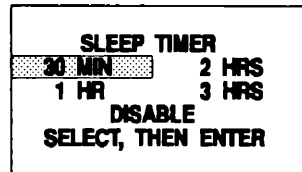
1. Enter OSD by pressing MENU.
2. Press key 5, or use the CURSOR keys to highlight item 5 then press ENTER.



3. Press key 1 or use CURSOR keys to highlight item 1, then press ENTER.



4. Use the SELECT key to highlight 30 MIN, then press ENTER.



You can turn the sleep timer off by selecting **DISABLE** in the screen shown above and pressing the **ENTER** key.

If the sleep timer is activated, a clock symbol will appear in the top left corner of the screen when you press the **DISPLAY** key.

ALARM TIMERS

ON/OFF TIMER

You can program the converter to turn on and off at the same time each day by setting the turn-on and turn-off timers.

1. Enter OSD by pressing MENU.
2. Press key 5, or use the CURSOR keys to highlight item 5 then press ENTER.

MENU PAGE 2 OF 3
4 VCR TIMERS
5 ALARM TIMERS
6 DISPLAY MESSAGES
USE ▲▼ THEN ENTER
OR PRESS 1-7

3. Press key 2 or use CURSOR keys to highlight item 2, then press ENTER.

ALARM TIMERS
1 SLEEP TIMER
2 TURN ON TIMER
3 TURN OFF TIMER
USE ▲▼ THEN ENTER
OR PRESS 1-3

4. Press CURSOR keys to set ON time, then press ENTER.

TURN-ON TIMER
TURN ON EVERY DAY
AT 6:30 AM
USE ▲▼ THEN ENTER
OR DELETE TO CLEAR

5. Press key 3 or use CURSOR keys to highlight item 3, then press ENTER.

ALARM TIMERS
1 SLEEP TIMER
2 TURN ON TIMER
3 TURN OFF TIMER
USE ▲▼ THEN ENTER
OR PRESS 1-3

6. Press CURSOR keys to set OFF time, then press ENTER.

TURN-OFF TIMER
TURN OFF EVERY DAY
AT 7:30 AM
USE ▲▼ THEN ENTER
OR DELETE TO CLEAR

You can clear (turn off) the timer by pressing the DELETE key in either the TURN-ON TIMER or TURN-OFF TIMER screen.

DISPLAYING MESSAGES

Your cable operator has the ability to send you messages from the cable office. The messages could inform you of special promotions and pay-per-view events, of billing information, and of the reason for temporary service outages.

If you have received a message, the MESSAGE indicator on the front panel of the converter will light. The indicator will turn off after you have read all the new messages you received.

1. Enter OSD by pressing MENU.
2. Press key 6, or use the CURSOR keys to highlight item 6 then press ENTER.

MENU PAGE 2 OF 3
4 VCR TIMERS
5 ALARM TIMERS
6 DISPLAY MESSAGES
USE ▲▼ THEN ENTER
OR PRESS 1-7

3. To read a message use the SELECT key to highlight the message (for example, Today's Weather), then press ENTER.

DISPLAY MESSAGES
Today's Weather
Pay-Per-View Guide
Special HBO Upgrade
Customer Service No.

USE SELECT TO CHOOSE
ENTER TO READ MESSAGE
DELETE TO ERASE MESSAGE

Your TV screen will then display the message.

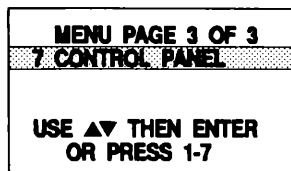
All messages are stored until you delete them. You can delete a message by using the SELECT key to highlight the message and then pressing the DELETE key. However, some messages may only be deleted by your cable operator. If the message does not disappear when you try to delete it, it may be such a message.

MODIFYING OSD SCREEN BACKGROUND

The CFT-2000 converter gives you three OSD screen background options

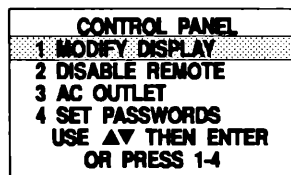
- Clear – all of the TV picture is visible behind the OSD menus
- Box – a black background is used behind the text but some of the TV picture can be seen behind the menus. This is the default setting.
- Solid – a black background is used behind the text and none of the TV picture can be seen behind the menus.

1. Enter OSD by pressing MENU.

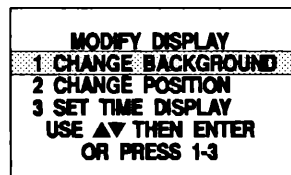


2. Press key 7, or use the CURSOR keys to highlight item 7 then press ENTER.

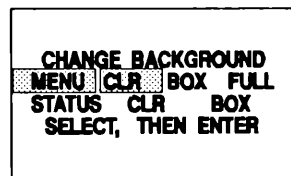
3. Press key 1 or use CURSOR keys to highlight item 1, then press ENTER.



4. Press key 1 or use CURSOR keys to highlight item 1, then press ENTER.



5. Use the CURSOR keys to highlight MENU then use the SELECT key to highlight choice (for example, CLR) and press ENTER.



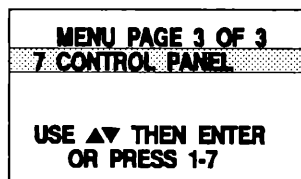
6. To exit press the DISPLAY key.

MODIFYING STATUS SCREEN BACKGROUND

The CFT-2000 converter gives you two status screen background options

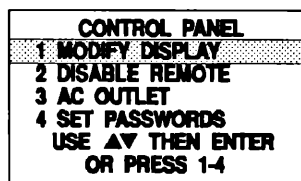
- Clear – all of the TV picture is visible behind the text that appears when you change channels or press the DISPLAY key. This is the default setting.
- Box – a black background is used behind the text but some of the TV picture can be seen behind the channel status.

1. Enter OSD by pressing MENU.

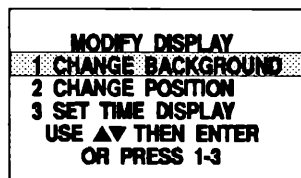


2. Press key 7, or use the CURSOR keys to highlight item 7 then press ENTER.

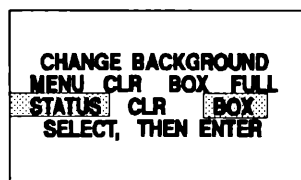
3. Press key 1 or use CURSOR keys to highlight item 1, then press ENTER.



4. Press key 1 or use CURSOR keys to highlight item 1, then press ENTER.



5. Use the CURSOR keys to highlight STATUS then use the SELECT key to highlight choice (for example, BOX) and press ENTER.



6. To exit press the DISPLAY key.

MODIFYING OSD DISPLAY

Differences among television sets may make the OSD menus appear slightly off-center on some sets. You can adjust the position of the menus if the need arises.

1. Enter OSD by pressing MENU.
2. Press key 7, or use the CURSOR keys to highlight item 7 then press ENTER.

MENU PAGE 3 OF 3
7 CONTROL PANEL

USE ▲▼ THEN ENTER
OR PRESS 1-7

3. Press key 1 or use CURSOR keys to highlight item 1, then press ENTER.

CONTROL PANEL
1 MODIFY DISPLAY
2 DISABLE REMOTE
3 AC OUTLET
4 SET PASSWORDS
USE ▲▼ THEN ENTER
OR PRESS 1-4

4. Press key 2 or use CURSOR keys to highlight item 2, then press ENTER.

MODIFY DISPLAY
1 CHANGE BACKGROUND
2 CHANGE POSITION
3 SET TIME DISPLAY
USE ▲▼ THEN ENTER
OR PRESS 1-3

5. Use the CURSOR and PAGE keys as directed on the screen to position the menu.

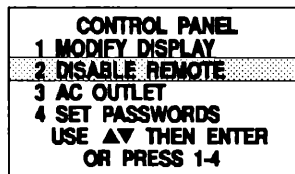
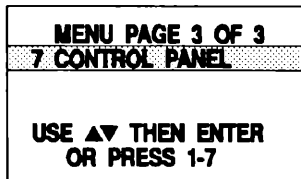
TO SET POSITION OF BOX
CURSOR ▲
MOVES BOX UP
CURSOR ▼
MOVES BOX DOWN
PAGE ▲
MOVES BOX TO LEFT
PAGE ▼
MOVES BOX TO RIGHT

6. To exit press the DISPLAY key.

DISABLING THE REMOTE CONTROL

If you are using two converters, one for normal viewing and the other for VCR recording, you may wish to disable the remote control capability of the recording converter. This will allow you to operate the viewing converter with the remote control without affecting the recording converter.

1. Enter OSD by pressing MENU.
2. Press key 7, or use the CURSOR keys to highlight item 7 then press ENTER.
3. Press key 2 or use CURSOR keys to highlight item 2, then press ENTER.

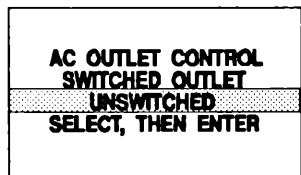
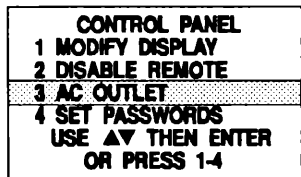
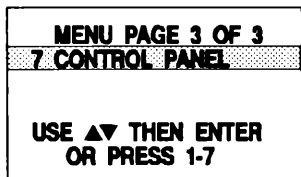


A screen will appear briefly and the front panel will display the letters "RLO" to indicate that the remote control is disabled. To restore remote control operation simply press any set-top key, or press F then DISPLAY on the remote control.

SETTING AC OUTLET CONTROL

You can plug your TV set into the AC outlet on the rear panel of the converter. If you want to turn the TV off when you turn off the converter, program the outlet control for SWITCHED. If your TV requires that power always be on, program the control for UNSWITCHED.

1. Enter OSD by pressing MENU.
2. Press key 7, or use the CURSOR keys to highlight item 7 then press ENTER.
3. Press key 3 or use CURSOR keys to highlight item 3, then press ENTER.
4. Use the SELECT key to make choice (for example, UNSWITCHED) then press ENTER.



DISPLAYING TIME-OF-DAY

Your converter gives you the choice of displaying either the current time or the current channel number on the converter's front panel display. Displaying time does not require you to set a clock in the converter. The current time is continuously sent to the converter by your cable company.

To display the time or channel number follow the steps below.

1. Enter OSD by pressing MENU.
2. Press key 7, or use the CURSOR keys to highlight item 7 then press ENTER.

| |
|---|
| MENU PAGE 3 OF 3 |
| 7 CONTROL PANEL |
| USE ▲▼ THEN ENTER OR PRESS 1-7 |

3. Press key 1 or use CURSOR keys to highlight item 1, then press ENTER.

| |
|---|
| CONTROL PANEL |
| 1 MODIFY DISPLAY |
| 2 DISABLE REMOTE |
| 3 AC OUTLET |
| 4 SET PASSWORDS |
| USE ▲▼ THEN ENTER OR PRESS 1-4 |

4. Press key 3 or use CURSOR keys to highlight item 3, then press ENTER.

| |
|---|
| MODIFY DISPLAY |
| 1 CHANGE BACKGROUND |
| 2 CHANGE POSITION |
| 3 SET TIME DISPLAY |
| USE ▲▼ THEN ENTER OR PRESS 1-3 |

5. Use the SELECT key to choose between display ON and OFF, then press ENTER.

| |
|------------------------------|
| SET TIME DISPLAY |
| TIME DISPLAY |
| ON OFF |
| USE SELECT THEN ENTER |

PURCHASING PAY-PER-VIEW EVENTS

INTRODUCTION

The instructions on the following pages are for accessing Impulse Pay-Per-View services. They pertain to subscribers who have been supplied by their cable companies with a converter that includes a two-way module. If you are not sure that your converter has such a module, contact your cable company.

If your converter does contain an Impulse Pay-Per-View module, you can easily purchase services for immediate viewing (below) and for unattended VCR recording (page 33).

The converter also allows you to optionally create a purchase password should you wish to control access to pay-per-view purchases. As with the parental control password, you may change your purchase password as often as you wish (Page 36).

To cancel a purchased Pay-Per-View event, please contact your cable company for instructions on how to cancel a purchased Pay-Per-View event.

PURCHASING PAY-PER-VIEW EVENTS

PURCHASING A CURRENT SERVICE

Your converter allows you to quickly and easily purchase pay-per-view services on the same day the service is scheduled to air. If you wish to purchase the service up to 60 minutes before the event airs (this period may vary from cable system to cable system, and from event to event) follow the steps below.

When a channel carrying a pay-per-view service is tuned, the letter E and the channel number will be displayed on the converter control panel display. The TV will show either a preview of the service selected, or a message from your cable operator explaining how to purchase the service.

To purchase the event:

1. Tune to the event channel.
2. Press SELECT. An "Enter Password" screen will appear if you have previously created a purchase password
3. Enter your purchase password. If you do not use a password go directly to step 4.
4. Press ENTER.

PURCHASING PAY-PER-VIEW EVENTS

PURCHASING A SERVICE FOR UNATTENDED RECORDING

Your can program a VCR timer to purchase an event and provide for unattended VCR recording if you will not be able to watch the service at the time it is broadcast.

When you are programming the VCR timer, a screen will appear after the channel screen asking if the program you will be recording is a pay-per-view service. Selecting YES at this screen will instruct the converter to automatically purchase the service at the appropriate time.

For example:

VCR Timer: 2
Frequency: one-time
Date: December 28
Start Time: 12:30 PM
End Time: 1:30 PM
Channel: 14

1. Enter OSD by pressing MENU.
2. Press key 4, or use the CURSOR keys to highlight item 4 then press ENTER.

MENU PAGE 2 OF 3
4 VCR TIMERS
5 ALARM TIMERS
6 DISPLAY MESSAGES
USE ▲▼ THEN ENTER
OR PRESS 1-7

3. Press key 2 or use CURSOR keys to highlight item 2, then press ENTER.

VCR TIMERS
1 IN USE 5 AVAIL
2 AVAIL 6 AVAIL
3 IN USE 7 AVAIL
4 AVAIL 8 AVAIL
USE ▲▼ THEN ENTER
OR PRESS 1-8

4. Use the SELECT key to highlight ONE-TIME, then press ENTER. (Daily, weekly, weekend, and weekdays choices are not allowed).

VCR TIMER 2
ONE TIME DAILY
WEEKLY WEEKEND
WEEKDAYS
SELECT, THEN ENTER

5. Use CURSOR keys to set date, then press ENTER.

VCR TIMER 2
START DATE DEC 28 SAT
USE ▲▼ THEN ENTER

PURCHASING PAY-PER-VIEW EVENTS

PURCHASING A SERVICE FOR UNATTENDED RECORDING (cont'd)

6. Use CURSOR keys to set start time, then press ENTER.

Note: Set the start time to the exact time the TV program begins. There is no need to program the converter to start a few minutes early

VCR TIMER 2
START TIME 12:30 PM
USE ▲▼ THEN ENTER

7. Use CURSOR keys to set end time, then press ENTER.

VCR TIMER 2
END TIME 1:30 PM
USE ▲▼ THEN ENTER

8. Use CURSOR keys to set channel, then press ENTER.

VCR TIMER 2
CHANNEL 14 A HBO
USE ▲▼ THEN ENTER

9. Use CURSOR keys to answer the question (YES or NO), then press ENTER.

VCR TIMER 2
CHANNEL 14 A HBO
IS THIS A
PAY-PER-VIEW EVENT?
YES NO
USE ▲▼ THEN ENTER

10. If you use a purchase password, a password entry screen will appear. Use the numeric keys to enter your purchase password, then press ENTER. If you do not use a purchase password just press ENTER.

PLEASE ENTER A
PURCHASE
PASSWORD
— — — —
USE 0-9 THEN ENTER

11. If the timer is programmed correctly press ENTER. If changes are necessary press PROG; you will then be led through reprogramming the timer. If you wish to clear the timer press DELETE.

VCR TIMER 1
WEEKLY
START DATE JAN 4 SAT
START TIME 12:00 MID
END TIME 1:00 AM
CHANNEL 15 A TMC
USE ENTER TO CONFIRM
PROG TO CHANGE
DELETE TO CLEAR

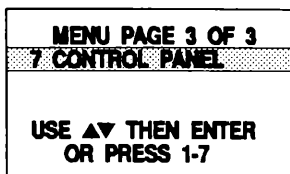
If the channel is a parentally-controlled one, after step 8 you will be asked to enter your parental control password.

PURCHASING PAY-PER-VIEW EVENTS

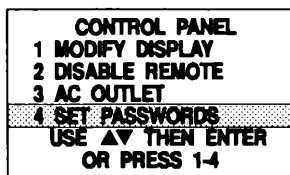
PROGRAMMING YOUR PURCHASE PASSWORD

The purchase password is an optional four digit password you create that prevents the unauthorized purchase of pay-per-view events and services. This feature is optional: you do not need to create a password to purchase events. **If you choose not to create a password, just press the ENTER key when you are asked for your password.**

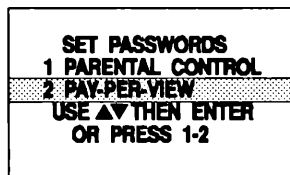
1. Enter OSD by pressing MENU.
2. Press key 7, or use the CURSOR keys to highlight item 7 then press ENTER.



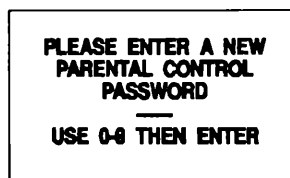
3. Press key 4 or use CURSOR keys to highlight item 4, then press ENTER.



4. Press key 2 or use CURSOR keys to highlight item 2, then press ENTER.



5. Use the numeric keys for entering your control code and press the ENTER key.



A verification screen will ask you to enter again the password you have programmed. Follow the instructions on the screen. If the verification password and the new password do not match you will need to re-enter and verify the new password.

PURCHASING PAY-PER-VIEW EVENTS

CHANGING YOUR PURCHASE PASSWORD

You can change your purchase password as often as you wish. However, in order to do so you must know your current password. If you have forgotten your password, call your cable operator for assistance.

1. Enter OSD by pressing MENU.

MENU PAGE 3 OF 3
7 CONTROL PANEL

USE ▲▼ THEN ENTER
OR PRESS 1-7

2. Press key 7, or use the CURSOR keys to highlight item 7 then press ENTER.

3. Press key 4 or use CURSOR keys to highlight item 4, then press ENTER.

CONTROL PANEL
1 MODIFY DISPLAY
2 DISABLE REMOTE
3 AC OUTLET
4 SET PASSWORDS
USE ▲▼ THEN ENTER
OR PRESS 1-4

4. Press key 2 or use CURSOR keys to highlight item 2, then press ENTER.

SET PASSWORDS
1 PARENTAL CONTROL
2 PAY-PER-VIEW
USE ▲▼ THEN ENTER
OR PRESS 1-2

5. Use the numeric keys for entering your current password and press the ENTER key.

PLEASE ENTER A
PURCHASE
PASSWORD

USE --- THEN ENTER

6. Use the numeric keys for entering your new password and press the ENTER key.

PLEASE ENTER A NEW
PURCHASE
PASSWORD

USE --- THEN ENTER

If you enter your password incorrectly, you will be prompted to try again; after three unsuccessful attempts you will need to wait 15 minutes before you can try again. A verification screen will ask you to enter again the new password you have programmed. Follow the instructions on the screen. If the verification password and the new password do not match you will need to re-enter and verify the new password.

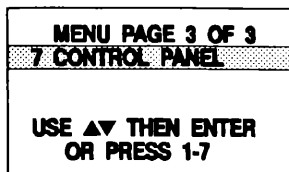
PURCHASING PAY-PER-VIEW EVENTS

ERASING YOUR PURCHASE PASSWORD

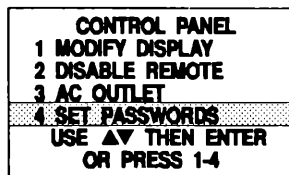
If you decide that you no longer want to use a purchase password after you have programmed one, you can erase it.

To erase a purchase password:

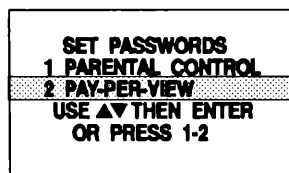
1. Enter OSD by pressing MENU.
2. Press key 7, or use the CURSOR keys to highlight item 7 then press ENTER.



3. Press key 4 or use CURSOR keys to highlight item 4, then press ENTER.



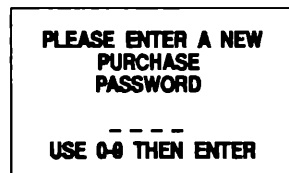
4. Press key 2 or use CURSOR keys to highlight item 2, then press ENTER.



5. Use the numeric keys for entering your current password and press the ENTER key.



6. Press the ENTER key twice.



RF BYPASS SWITCH FEATURE

Your CFT-2000 converter may be equipped with an RF bypass switch that allows you to use all of the features of your cable-ready TV when the converter is off. The only time you must turn on the converter is to watch a scrambled channel, such as a premium service or a pay-per-view event. Please call your cable operator if you are uncertain whether or not your converter has the bypass switch feature.

If you leave the converter and TV on, pressing the A/B key on the remote control allows you to switch between viewing through the converter or through the TV.

Also, the bypass switch can be used for VCR taping applications. It allows you to watch a basic unscrambled channel and tape a premium scrambled channel. You can also watch a basic channel and tape a basic channel. Pressing the A/B key on the remote control switches between watching the basic channel and watching what you are taping.

RESPONDING TO AN OPINION POLL

If you are tuned to a channel on which an opinion poll is in progress you may choose to participate. When a response to a question is requested, an opinion poll screen will appear

An opinion screen consists of one or more questions, several answer choices, and a three-digit answer entry field in which you can record your response.

Q: DO YOU LIKE CATS?
IF "YES", PRESS 1
THEN ENTER
IF "NO", PRESS 2
THEN ENTER

If more than three digits are entered, the converter resets the entry field; re-enter your answer. If your response is valid the entry field disappears, indicating that the response was accepted.

To participate:

1. Press the numeric keys to enter the number of your answer. (Do not press more than three digits). **Note:** If you wish to change your answer, press the DELETE key *before* you press the ENTER key. Repeat step 1.
2. Press the ENTER key to send your answer. The opinion poll screen will disappear.

Pressing any key other than a numeric key or the ENTER key while the entry field is present will:

1. Nullify any response in progress.
2. Cause the converter to respond to the new command and terminate your participation in the current poll.

If you do not wish to participate, press the ENTER key when the opinion poll screen appears. The screen will then disappear.

ERROR CODES

If you make entry errors or if you select a disallowed function, an error code will appear on your converter display. These codes and the message they convey are:

| Code | Message |
|------|--|
| P1 | Wrong password entered (for attempts 1 to 3) |
| P2 | Password failure (after 3rd attempt) |
| P3 | Not used |
| P4 | Credit limit exceeded |
| P5 | Purchase transaction table full |
| P6 | Not used |
| P7 | Credit limit is zero |
| P8 | Valid time stamp not received |
| P9 | Event cannot be purchased |

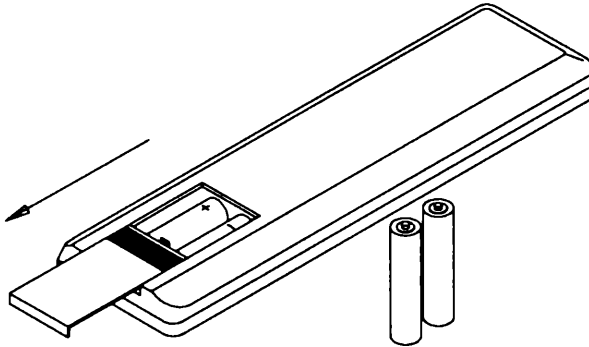
Notice

Converters equipped with the STARFONE option are connected to your telephone line. If you don't hear the dial tone over your telephone try the following tests: hang up and try again in a few seconds; disconnect the converter cable connecting to the telephone wall outlet and try again. If there is still no dial tone, contact your telephone company. If you are assured by the telephone company that their service is normal and still cannot get a dial tone, contact your cable company and report a problem converter.

REMOTE CONTROL BATTERY REPLACEMENT

Your Model MRC-OSD remote control uses two 1.5 Volt, IEC Type R03 (AAA) batteries, or equivalent. These batteries are available in most retail stores.

1. Slide the battery compartment cover in the direction of the arrow.
2. Remove old batteries and replace with new ones.
3. Align battery compartment cover in its tracks and slide it in until it snaps in place.



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